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Scott, Harriet, and William F. Scott, *The Soviet Art of War: Doctrine, Strategy, and Tactics*, reviewed by James Cracraft, Jan., 34-36.
Shapiro, Fred C., *Radwaste: A Reporter's Investigation of a Growing Nuclear Menace*, reviewed by Daniel Metlay, April, 34-35.
Shapiro, Jacob, *Radiation Protection: A Guide for Scientists and Physicians*, reviewed by Richard Gardner, Jan., 36-37.
Short, Philip, *The Dragon and the Bear: Inside China and Russia Today*, reviewed by Leonard Kusnitz, Aug./Sept., 51.
Sills, David et al., *Accident at Three Mile Island: The Human Dimensions*, reviewed by Peter G. Stillman, Nov., 42-45.
Smith, Dan, and Mary Kaldor, *Disarming Europe*, reviewed by Michael Krepon, Nov., 45-46.
Somerville, John et al., *Soviet Marxism and Nuclear War: An International Debate*, reviewed by James Cracraft, Jan., 34-36.
Steen, Peter, and Thomas Johansson, *Radioactive Waste from Nuclear Power Plants*, reviewed by Daniel Metlay, April, 34-35.
Stephens, Mark, *Three Mile Island*, reviewed by Peter G. Stillman, Nov., 42-45.
Stine, Henry G., *Confrontation in Space*, reviewed by Daniel Deudney, April, 35-37.
Subrahmanyam, K., *Nuclear Myths and Realities: India's Dilemma*, reviewed by Sumit Ganguly, March, 42-43.
Thompson, E.P., *Beyond the Cold War: A New Approach to the Arms Race and Nuclear Annihilation*, reviewed by James M. Gustafson, Oct., 35-36.
Trainer, Jennifer, and Michio Kaku, eds., *Nuclear Power: Both Sides; the Best Arguments For and Against the Most Controversial Technology*, reviewed by Victor Gilinsky, May, 40-41.
Vance, Cyrus, *Hard Choices: Four Critical Years in American Foreign Policy*, reviewed by Gregg Herken, Dec., 39-40.
Weissman, Steve, and Herbert Krosney, *The Islamic Bomb*, reviewed by Robert Andersen, March, 42.
Wildavsky, Aaron, and Mary Douglas, *Risk and Culture*, reviewed by John P. Holdren, June/July, 33-38.
Williams, Robert C., *Crisis Contained: The Department of Energy at Three Mile Island*, reviewed by Peter G. Stillman, Nov., 42-45.
Wilson, Richard, and Edmund Crouch, *Risk/Benefit Analysis*, reviewed by John P. Holdren, June/July, 33-38.
Young, William J., and David J. Cuff, *The United States Energy Atlas*, reviewed by Margaret F. Fels, Feb., 40-41.

Films

The Atomic Cafe, Kevin and Pierce Rafferty, and Jayne Loader (producers), April, 37.
Building the Brookhaven House, Department of Energy (producer), March, 44.
Countdown for America, produced and distributed by the American Security Council, Nov., 47.
Hans Bethe: A Prophet of Energy, Michael Blackwood (producer), May, 44.
Hiroshima/Nagasaki August 1945: The Case of the A-Bomb Footage, Jan., 39.
How Much Is Enough: Decision Making in the Nuclear Age, Andrew A. Stern (producer), May, 45.
If You Love This Planet: Dr. Helen Caldicott on Nuclear War, Edward de Lorrain (producer), reviewed by Adam Kahane, Jan., 39.
In The King of Prussia, Emile de Antonio (producer), Aug./Sept. 52.
Kilowatts from Cowpies: The Methane Option, Henry Mayer (producer), March, 44.
Lovins on the Soft Path, Envision Corporation (producer), March, 44.
The Medical Consequences of Nuclear War, Jan., 39.
No First Use, produced and distributed by the Union of Concerned Scientists, Nov., 47.
No Place to Hide, Tom Johnson and Lance Bird (producers), April, 37.
Nuclear War: A Guide to Armageddon, produced by Rick Green for the BBC, Nov., 47.
One Million Hiroshimas, Michael Anderson Films (producer), Aug./Sept., 52.
Picadon, Renzo Kinoshita (producer), Aug./Sept., 52.
War Without Winners II, Haskell Wexler (producer), Nov., 47.
Waterpower, Neal Livingston (producer), March, 44.
Whose Budget Is It Anyway?, Coalition for a New Foreign and Military Policy (producer), April, 37.

All films have been reviewed by John Dowling unless otherwise indicated.

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